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Project Title: Data Scientists’ Salary

As a current master of data science students, we aim to land a good-paying job after graduation. So that before getting into the workplace, it is better for us to understand the condition as Data scientists. It will be clearer for students to decide which pathway is most suitable for them.

My research topic is on the data scientists’ salary. I have found a dataset that originates from the Glassdoor website. It contains information about the minimum salary, maximum salary, average salary, job description, age of the company in years, etc. With the given information, I have a few aspects on how to give precise and concise information to data science students to make their decision. First of all, I will investigate the topic from a macro view, in terms of countries. Then, I will dive deeper into finding the factors affecting the salary in the company and the employee aspect. After getting the data, I will focus on why these factors are important in determining data scientists’ salaries and which one or a few is/are important factors. Therefore, data science students can focus on developing these skills and decide based on these factors. Finally, in terms of different countries, I will compare the salary of data scientists in different countries (after considering their daily expenses in that country). Based on this information, I aim to help students to decide where they should go for finding jobs after graduation.

The aim of this report is to give information for the student to make a better decision for their career after graduated.

Tentative Questions:

What are the factors that affect data scientists’ salaries?

- How does data scientists’ salary vary from:

the country

the company

-projects that they are doing

-size

-history of the company

-industry of the company

the employee themselves

-education

-skills

-experience

Why are these factors important in determining data scientists’ salaries? Which one is the most important factor?

Comparing different countries, which country has a higher salary? After compensation for living

Source of Data:

# NIKHIL, B.(2021) *Data scientist salary*. Kaggle. <https://www.kaggle.com/nikhilbhathi/data-scientist-salary-us-glassdoor?select=data_cleaned_2021.csv>

The dataset was found on Kaggle which describes the salary of a data scientist which is in 2021. It has 42 columns and 955 rows. The type of data varies from text to number. For my project, I will mainly focus on the relation of salary with different factors.